

SEQUENCE LISTING

<110> Zauderer, Maurice
Smith, Ernest
Wei, Chungwen

<120> Methods of Producing or Identifying Intrabodies in Eukaryotic Cells

<130> 1821.0090004

<140>

<141> 2002-01-23

<150> 60/298,095

<151> 2001-06-15

<150> 60/271,422

<151> 2001-02-27

<150> 60/263,200

<151> 2001-01-24

<150> 60/263,225

<151> 2001-01-23

<160> 154

<170> PatentIn version 3.0

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OFFICIAL

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<223> Linker

<400> 6

<210> 7

<211> 18

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$\langle 220 \rangle$

<223> Linker

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Leu Asp

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<400> 10

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<210> 14

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<223> signal sequence

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His Ser Arg
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<220>

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biochem 1000000000

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Arg

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Met Gly Leu Leu Thr
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Pro Leu Gly Asp
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<223> palmitoylation sequence

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Val Leu Ser

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Lys Phe Glu Arg Gln
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<211> 36

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<210> 26

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$\langle 220 \rangle$

<223> membrane sequence

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Val Leu Leu Ala Tyr Phe Ile Gly Leu Lys His His His Ala Gly Tyr
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Glu Gln Phe
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<210> 27

<211> 27

<212> PRT

<213> Artificial

<220>

<223> targeting sequence

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Met Leu Arg Thr Ser Ser Leu Phe Thr Arg Arg Val Gln Pro Ser Leu
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Phe Ser Arg Asn Ile Leu Arg Leu Gln Ser Thr
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<210> 28

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<213> Artificial

<220>

<223> targeting sequence

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Thr Leu Cys Ser Ser Arg Tyr Leu Leu
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<210> 29

<211> 63

<212> PRT

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<220>

<223> targeting sequence

<400> 29

Met Phe Ser Met Leu Ser Lys Arg Trp Ala Gln Arg Thr Leu Ser Lys
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Ser Phe Tyr Ser Thr Ala Thr Gly Ala Ala Ser Lys Ser Gly Lys Leu
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Thr Gln Lys Leu Val Thr Ala Gly Val Met Ala Gly Ile Thr Ala Ser
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Thr Leu Leu Tyr Ala Asp Ser Leu Thr Ala Glu Ala Met Thr Ala
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<211> 41

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sequence

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<223> targeting sequence

<400> 30

Met Lys Ser Phe Ile Thr Arg Asn Lys Thr Ala Ile Leu Ala Thr Val
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Ala Ala Thr Gly Thr Ala Ile Gly Ala Tyr Tyr Tyr Tyr Asn Gln Leu
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Gln Gln Gln Gln Gln Arg Gly Lys Lys
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<210> 31

<211> 4

<212> PRT

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<220>

<223> targeting sequence

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Lys Asp Glu Leu
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<210> 32

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<212> PRT

<213> Artificial

<220>

<223> targeting sequence

<400> 32

Leu Tyr Leu Ser Arg Arg Ser Phe Ile Asp Glu Lys Lys Met Pro
1 5 10 15

<210> 33

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Val Leu Ser

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<400> 34

<210> 35

<211> 9

<212> PRT

<213> Artificial

<220>

<223> targeting sequence

<400> 35

<210> 36

<211> 20

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<213> Artificial

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<223> signal sequence

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Met Tyr Arg Met Gln Leu Leu Ser Cys Ile Ala Leu Ser Leu Ala Leu
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Val Thr Asn Ser
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<211> 29

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Met Ala Thr Gly Ser Arg Thr Ser Leu Leu Leu Ala Phe Gly Leu Leu
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Cys Leu Pro Trp Leu Gln Glu Gly Ser Ala Phe Pro Thr
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<210> 38

<211> 27

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<213> Artificial

<220>

<223> signal sequence

<400> 38

Met Ala Leu Trp Met Arg Leu Leu Pro Leu Leu Ala Leu Leu Ala Leu
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Trp Gly Pro Asp Pro Ala Ala Ala Phe Val Asn
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<210> 39

<211> 18

<212> PRT

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Met Lys Ala Lys Leu Leu Val Leu Leu Tyr Ala Phe Val Ala Gly Asp
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Gln Ile

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<213> Artificial

<220>

<223> signal leader sequence

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Met Gly Leu Thr Ser Gln Leu Leu Pro Pro Leu Phe Phe Leu Leu Ala
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Cys Ala Gly Asn Phe Val His Gly
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Lys Asp Glu Leu
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<210> 44

<211> 4

<212> PRT

<213> Artificial

<220>

<223> signal sequence

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<210> 45

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<212> PRT

<213> Artificial

<220>

<400> 45

<210> 46

<211> 7

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Pro Lys Lys Lys Arg Lys Val
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<211> 7

<212> PRT

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Pro Gln Lys Lys Ile Lys Ser
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<220>

<223> signal sequence

<400> 48

Gln Pro Lys Lys Pro

$\langle 210 \rangle$	52
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Met	Pro	Leu	Thr	Arg	Arg	Arg	Pro	Ala	Ala	Ser	Gln	Ala	Leu	Ala	Pro
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Pro Thr Pro

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Met	Asp	Asp	Gln	Arg	Asp	Leu	Ile	Ser	Asn	Asn	Glu	Gln	Leu	Pro
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<221> UNSURE

<222> (7)..(8)

<223> Xaa may represent any amino acid

<220>

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<221> UNSURE

<222> (32)..(32)

<223> Xaa may represent any amino acid

<400> 54

Met Leu Phe Asn Leu Arg Xaa Xaa Leu Asn Asn Ala Ala Phe Arg His
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Gly His Asn Phe Met Val Arg Asn Phe Arg Cys Gly Gln Pro Leu Xaa
20 25 30

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<211> 8

<212> PRT

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Gly Cys Val Cys Ser Ser Asn Pro
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<212> PRT

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<220>

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Gly Gln Thr Val Thr Thr Pro Leu
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<210> 57

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<212> PRT

<213> Artificial

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Gly Asn Ser Pro Ser Tyr Asn Pro
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Gly Val Ser Gly Ser Lys Gly Gln
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Gly Gln Thr Leu Thr Thr Pro Leu
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<223> signal sequence

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Gly Gln Ile Phe Ser Arg Ser Ala
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<210> 63

<211> 8

<212> PRT

<213> Artificial

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Gly Gln Ile His Gly Leu Ser Pro
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<211> 8

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Gly Ala Arg Ala Ser Val Leu Ser
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Gly Cys Thr Leu Ser Ala Glu Glu
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Gly Gln Asn Leu Ser Thr Ser Asn
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Gly Ala Ala Leu Thr Ile Leu Val
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Gly Ala Ala Leu Thr Leu Leu Gly
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<400> 69

Gly Ala Gln Val Ser Ser Gln Lys
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<210> 70

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<212> PRT

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<223> signal sequence

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<210> 71

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<223> signal sequence

<400> 71

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<212> PRT

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<400> 72

Gly Asn Glu Ala Ser Tyr Pro Leu
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<210> 73

<211> 8

<212> PRT

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<220>

<223> signal sequence

<400> 73

Gly Ser Ser Lys Ser Lys Pro Lys

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<212> DNA

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<213> Artificial

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<223> primer

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<210> 80

<211> 31

<212> DNA

<213> Artificial

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<223> primer

<400> 80

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<223> cassette with multiple restriction sites

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<223> primer

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sequence

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<223> primer

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<223> Oligonucleotide primer

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<400> 93

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patent

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1 5 10 15

Ala His Ser

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Asn Leu Trp Thr Thr Ala Ser Thr Phe Ile Val Leu Phe Leu Leu Ser
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Leu Phe Tyr Ser Thr Thr Val Thr Leu Phe
20 25

<210> 118

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<400> 118

Lys Asp Glu Leu
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Pro Lys Lys Lys Arg Lys Val
1 5

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Met Gly Ser Ser Lys Ser Lys Pro Lys Asp Pro Ser Gln Arg
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Leu Asn Pro Pro Asp Glu Ser Gly Pro Gly Cys Met Ser Cys Lys Cys
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Val Leu Ser

<210> 122

<211> 5

<212> PRT

<213> Artificial

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<400> 122

Lys Phe Glu Arg Gln
1 5

<210> 123

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1 5 10 15

Arg Arg Leu Pro Val Pro Arg Ala Lys Ile His Ser Leu
20 25

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CCDC103001

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atgttacgtc ctgtagaaac c

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34

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Sequence of the gene

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28

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gtctcctcat gagtgcgac

78

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42

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accgtctcct catgagtcga c

60

81

<210> 148
<211> 42

ccctcctcct catgagtcga c

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<220>

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<400> 148

gagggtaaatt cttccggatc tgggtccgaa ggcgcgcact cc

42

<210> 149

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<212> PRT

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<220>

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57

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<211> 145

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taattttgtt tttgtgggcc cggcc 145

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<211> 148

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aactaatttt gtttttgtgg gcccggcc 148

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11

[illegible]